

**Amendments to the Specification:**

Please replace the "Reference to Related Applications" section with the following amended paragraphs:

The present application includes the subject of Provisional Application Serial No. 60/455,563 filed March 19,2003 and claims the priority thereof.

The present application is a continuation in part of US Patent Application Serial Number 09/866,925 filed May 30, 2001 entitled ALGORITHMIC DETERMINATION OF FLANKING DNA SEQUENCES THAT CONTROL THE EXPRESSION OF SETS OF GENES IN PROKARYOTIC, ARCHEA AND EUKARYOTIC GENOMES. (referred to as "basic methods patent application")

This present application is related to PCT application PCT/US01/16471 filed May 31, 2001 and entitled ALGORITHMIC DETERMINATION OF FLANKING DNA SEQUENCES THAT CONTROL THE EXPRESSION OF SETS OF GENES IN PROKARYOTIC, ARCHEA AND EUKARYOTIC GENOMES.

The present application is also related to US Patent Application Serial Number 10/339,666 filed January 10, 2003 entitled SIMULATION OF GENE EXPRESSION CONTROL USING CONNECTRONS, INTERFERENCE RNAS (IRNAS) AND SMALL TEMPORAL RNAS (STRNAS) IN PROKARYOTIC, ARCHEA AND EUKARYOTIC GENOMES

The present application is also related to US Patent Application Serial Number 10/364,516 filed February 12, 2003 entitled DETERMINATION OF FLANKING DNA SEQUENCES THAT CONTROL THE EXPRESSION OF SETS OF GENES IN THE ESCHERICHIA COLI K-12 MG1655 COMPLETE GENOME

The present application is also related to US Patent Application Serial Number 10/364,412 filed February 12, 2003 entitled DETERMINATION OF FLANKING DNA SEQUENCES THAT CONTROL THE EXPRESSION OF SETS OF GENES IN THE SACCHAROMYCES CEREVISIAE COMPLETE GENOME , and applicant claims the priority of each of the above-identified pending applications.